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(71)Applicant: SUMITOMO CHEM CO LTD

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(72)Inventor: SAKATANI TAIICHI

KURODA TOSHIYA

AZUMA КОЛ SHIMIZU AKIKO SHINTO TADASHI

(54) LIQUID CRYSTAL DISPLAY DEVICE

(57) Abstract:

PURPOSE: To easily manufacture a large size liquid crystal display device (homeotropic type) excellent in visual angle characteristic by using a phase difference film using an inorganic layered compound layer as a compensating phase difference film.

CONSTITUTION: A liquid crystal display device formed of a liquid crystal cell having a nematic liquid crystal molecule provided with negative dielectric constant anisotropy, the liquid crystal cell being nipped by a pair of transparent bases having electrodes and held in parallel to each other in the state where the electrodes are mutually opposed, and having the structure in which the liquid crystal molecule long axis is oriented

rtically to the transparent bases in the state where no voltage is applied; a pair of linear polarizing films arranged on the outside of the liquid crystal cell; and a compensating phase difference film arranged in at least one space between the liquid crystal cell and the linear polarizing films. As the compensating phase difference film, a phase difference film using an inorganic layered compound layer in which the refraction factor in the film surface is larger than the refraction factor in the thickness direction. In the manufacture of the phase difference film, an optically transparent resin is preferably mixed to the inorganic layered compound.

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